Putnam County, West Virginia Print date: 01/27/2004

Table Jlb.--Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol	 Depth	 Sand	Silt	Clay	 Moist	Permea-	 Available	 Linear	 Organic	Erosi	on fac		Wind erodi-	Wind
and soil name	Depen 			Clay	bulk density	bility (Ksat)	water capacity	extensi-			 Kf	Ī	bility group	bilit
	In	Pct	Pct	Pct	g/cc	In/hr	_ In/in	Pct	Pct	<u> </u>		<u> </u>	¦	¦
AgA:		 			 		I	 	 			 		
Allegheny	0-8	23-52	28-50	15-27	1.20-1.40	0.6-2	0.12-0.22	0.0-2.9	1.0-4.0	.32		4		56
	8-49			18-35	1.20-1.50		0.13-0.18	0.0-2.9		1.28	.28			
	49-60			10-35	1.20-1.40	0.6-2	0.08-0.17	0.0-2.9		1.28	.28		1	
AgB:								! 						
Allegheny		23-52	28-50	-	1.20-1.40		0.12-0.22			.32	.32	4		56
I	8-49				1.20-1.50		0.13-0.18			.28	.28			
	49-60			10-35	1.20-1.40	0.6-2	0.08-0.17	0.0-2.9		1 .28	1 .28	1		1
AgC:			i							İ			İ	İ
Allegheny		23-52	28-50	-	1.20-1.40		0.12-0.22		1.0-4.0	1.32	.32	4		56
	8-49				1.20-1.50		0.13-0.18			1.28	.28	!		
	49-60 	 		10-35	1.20-1.40 	0.6-2	0.08-0.17	0.0-2.9 		1 .28	.28 I	1	1	1
AsA:		i i	i				i	İ		İ		i	İ	İ
Ashton		0-50	50-83		1.20-1.40		0.16-0.23	•	2.0-4.0	1.32	1.32	5		56
	9-48				1.20-1.50		0.18-0.23	•		.43	1.43	!	1	
	48-72 	 		10-40	1.25-1.55 	0.6-2	0.14-0.20	0.0-2.9 		1 .43	.43 	 	1	1
Melvin		i i	i				j			i	i	i	i	i
AsB:		 			 			 			 	 		
Ashton	0-9	0-50	50-83	10-25	1.20-1.40		0.16-0.23	0.0-2.9	2.0-4.0	1.32	.32	5		56
	9-48				1.20-1.50		0.18-0.23	0.0-2.9		1.43	.43			
	48-72			10-40	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9		.43	.43			1
Melvin		 			 									
CoB:					 			! 						
Coolville		0-50	50-83		1.30-1.50		0.18-0.22	•	1.0-3.0	.43	.43	3	6	48
	7-18				1.40-1.65		0.16-0.19			.43	.49	1		
I	18-40				1.50-1.70		0.10-0.15				.37	1		1
	40-50				1.50-1.70		0.08-0.12	3.0-5.9		1.32	.43		1	1
	50-54					0.2-0.6						1	1	1

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	 Silt	 Clay		 Permea-	 Available	•	 Organic	i	on fac		erodi	Wind erodi-
and soil name	 		 	 	bulk density	bility (Ksat)	water capacity		matter	 Kw			bility group	bility index
	 In	Pct	Pct	 Pct	 g/cc		_ In/in	Pct	Pct	\ <u></u>		¦	¦	¦
CoC:														
Coolville					11.30-1.50		0.18-0.22		1.0-3.0	1 .43	1.43	3	6	48
	7-18				1.40-1.65		0.16-0.19	•			1.49			
	18-40				1.50-1.70		0.10-0.15	•		1.32				
	40-50			35-60		0.06-0.2	0.08-0.12	3.0-5.9		1.32	1.43			
	50-54					0.2-0.6								
GlC:	 		 -	 	1	1	l	1	1	1	1		1	1
Gilpin	ı I 0-5	1 0-50	ı I 50-83	I I 15-27	11.20-1.40	0.6-2	10.12-0.18	1 0 0-2 9	1 0.5-4.0	1 .32	1 .32	1 3 1		
GIIPIII	1 5-27	0 50	1		11.20-1.50		10.12-0.16		1	1 .24	1 .28	1	1	1
	1 27-35	 	 		11.20-1.50		10.08-0.12	•			1.32	1	1	I I
	1 35-39	 	 	1		10.0000-0.2	1	1		•24	1	1	1	I I
	33 39 	 	 	 	! 	1		 	1		i	1	1	1
GuC:	! 	! 	! 	! 	1	1	i	1		İ	i		İ	i İ
Gilpin	I 0-5	0-50	I 50-83	I 15-27	11.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	i .32	1.32	I 3		·
	5-27				11.20-1.50		0.12-0.16			1.24	1.28	i	i	i
,	27-35			15-35	11.20-1.50	0.6-2	10.08-0.12	•		1.24	1.32	i	i	i
j	35-39	•				10.0000-0.2			·			i	i	i
		İ			I		i	i İ	i	i	i	i	i	İ
Upshur	0-9	0-20	1 40-73	27-35	11.20-1.50	0.2-0.6	10.12-0.16	3.0-5.9	0.5-3.0	.37	1.37	1 3	1 7	1 38
<u> </u>	I 9-36			40-55	11.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	·	.32	i .32	i	i	İ
	36-44			27-45	11.30-1.60	0.06-0.2	0.08-0.12		·	i .32	i .32	i	i	İ
ĺ	44-48					10.0000-0.2	i					İ	İ	j
I							1	1		1			1	
Other soils														
1					l	1	1	1	1				1	
GuC3:					l		1	I						
Gilpin	0-5	0-50	50-83		11.20-1.40		0.12-0.18		0.5-4.0	1.32	1.32	3		
	5-27			•	1.20-1.50		0.12-0.16	•		1.24	1.28			
	27-35			15-35	1.20-1.50	–	0.08-0.12	0.0-2.9		1.24	1.32			
	35-39					10.0000-0.2								
TTo a house			40 60	40 50	1 20 1 50									1 06
Upshur	0-9	0-20	40-60		11.30-1.50		10.12-0.16		0.5-2.0	1.32	1.32	2	4	86
	9-36 36-44	•				0.06-0.2	10.10-0.14	•	ı					
		1		27-45		0.06-0.2	0.08-0.12	3.0-5.9		1.32	.32			
	44-48					0.0000-0.2							1	
Other soils	 		 	 								ļ		
GuD:	 		 	 	I I	1	1	1	1	1	1	1		
GuD: Gilpin	l l 0-5	1 0-50	l l 50-83	 15_27	 1.20 -1. 40	0.6-2	10.12-0.18	1 0 0-2 0	1 0.5-4.0	1 .32	1 .32	I I 3	I	1
GTTDTII	1 0-5 1 5-27	1 0-30	1 20-83		11.20-1.40		10.12-0.18		0.5-4.0	1 .24	1 .28	1 3		
l l	5-27 27-35				11.20-1.50		10.12-0.16				1 .32	1	1	1
	27-35 35-39	1	 	15-35		10.0000-0.2	10.08-0.12	1 0.0-2.9		.24		1	I	1
	33-39		ı	ı –––		10.0000-0.2						1	I	I

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	Silt	 Clay	Moist	 Permea-	 Available		 Organic	i	on fac		erodi-	Wind erodi-
and soil name	<u> </u>				bulk	bility	water		matter					bility
	 	 			density	(Ksat)	capacity	bility 	 	Kw	Kf	T	group	index
	' In	Pct	Pct	Pct	g/cc	In/hr	 In/in	Pct	Pct	-¦	¦	¦	¦	·
Upshur	0-9	0-20	40-73		1.20-1.50		0.12-0.16		0.5-3.0	1.37	1.37	3	7	38
	9-36					0.06-0.2	0.10-0.14			1.32	1.32			
	36-44					0.06-0.2	0.08-0.12			1.32	1.32			
	44-48					0.0000-0.2						1		
Other soils														
GuD3:	! 			 				 	! 					
Gilpin	0-5	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	1.32	1.32	3		
	5-27			18-35	1.20-1.50	0.6-2	0.12-0.16			.24	1.28	1		
	27-35			15-35	1.20-1.50		0.08-0.12				1.32			
	35-39					0.0000-0.2						1		
Upshur	I I 0-5	 0-20	40-60	l 40-50	 1.30-1.50	0.2-0.6	0.12-0.16	l l 6.0-8.9	0.5-2.0	1 .32	1 .32	1 2	4	I I 86
	5-36			40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9		1.32	1.32	i	İ	i
	36-44			27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9		.32	.32	i	İ	i
	44-48	i i				0.0000-0.2			ļ	i		ĺ	į	
Other soils	 			 				 						
GuE:	 	 				 	 	 	! !	1	1	1	1	
Gilpin	0-5	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	·	
-	5-27			18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9		.24	1.28	1		
	27-35			15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9		.24	.32	1		
	35-39					0.0000-0.2						!	1	1
Other soils	 							 						
Upshur	l l 0-9	 0-20	40-73	l l 27-35	 1.20 - 1.50	0.2-0.6	10.12-0.16	l l 3.0-5.9	1 0.5-3.0	1 .37	1.37	I I 3	1 7	I I 38
oponar	9-36					0.06-0.2	10.10-0.14			1.32	1.32		1	
	36-44			27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9		1.32	.32	i	İ	İ
	44-48	i				0.0000-0.2	i		i	i	i	İ	İ	İ
GuE3:	 							 				1		
Gilpin	0-5	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	1.32	1.32	1 3		
<u>r</u>	5-27			-	1.20-1.50		10.12-0.16				1.28		İ	İ
	27-35				1.20-1.50		0.08-0.12				1.32	i	i	i
	35-39	i i				0.0000-0.2	i		i			<u> </u>	1	1
	l					I	I		1				I	1
Other soils														
								1			1	1		

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	 Silt	Clay		 Permea-	 Available		 Organic				erodi-	Wind erodi-
and soil name					bulk	bility	water							
					density	(Ksat)	capacity	bility	 	Kw	Kf	T	group	index
	In	 Pct	Pct	Pct	 g/cc	In/hr	-	Pct	Pct		' 			
Upshur	I I 0-5	ı 0-201	ı 40-601	40-50	 1.30-1.50	I I 0.2-0.6	0.12-0.16	 6.0-8.9	0.5-2.0	1 .32	.32	1 1 2	4	I 86
i	5-36				1.30-1.60		0.10-0.14	6.0-8.9		.32	.32	İ	İ	İ
i	36-44			27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9		1.32	.32	ĺ	1	İ
I	44-48					0.0000-0.2								
GuF:		 	 		 	 	l I	 	 		 			
Gilpin	0-5	0-501	50-83	15-27	11.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	1.32	.32	1 3		
	5-27				11.20-1.50	•	10.12-0.16			1.24	.28	ĺ	İ	İ
i	27-35		i	15-35	11.20-1.50	0.6-2	10.08-0.12	0.0-2.9		.24		i	i I	i
į	35-39	i i	i			0.0000-0.2	i		i	·	i	İ	İ	İ
Other soils	 	 			 	 		 			 			
		 	 		 	 	l I	 	 		 	 	 	1
Upshur	0-9	0-20	40-73	27-35	11.20-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.5-3.0	i .37	.37	1 3	I 7	1 38
	9-36			40-55	11.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9		1.32	.32	i	i I	İ
İ	36-44			27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9		.32	.32	ĺ	İ	İ
	44-48					0.0000-0.2						1		1
GuF3:		 	 		 	 	l I	 	 		 	 		1
Gilpin	0-5	I 0-501	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	i .32	.32	I 3		i
į	5-27				1.20-1.50		0.12-0.16	0.0-2.9		.24	.28	İ	İ	İ
İ	27-35			15-35	1.20-1.50	0.6-2	0.08-0.12			.24	.32	ĺ	İ	İ
ļ	35-39					0.0000-0.2								1
Other soils														
 	l l 0-5	 0-20	 40-601	40-50	 1.30-1.50	l l 0.2-0.6	10.12-0.16	l l 6.0-8.9	0.5-2.0	1 .32	l L.32	l l 2	 4	l 1 86
9,00000	5-36	i			11.30-1.60		10.10-0.14			1.32	.32	i -	i -	
i	36-44		i		•	0.06-0.2	10.08-0.12	•		1.32		i	i I	i
į	44-48		i			0.0000-0.2			·			İ	İ	İ
GvE:		 			 	 		 	 		 	 	 	1
Gilpin	0-5	0-50	50-83	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9		.24	.32	3		
·	5-27			18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	·	.24	.28			
i	27-35			15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	i	.24	.32			
į	35-39					0.0000-0.2	i					!	I	1
Other soils	 	 			 	 		 	 		 			

Table J1b.--Physical Properties of the Soils--Continued

 Map symbol	Depth		 Silt	Clay	Moist	 Permea-	 Available	•	 Organic	'			erodi-	
and soil name					bulk	bility	water	extensi-						
		 	I		density	(Ksat)	capacity	bility		Kw	Kf	T	group	index
	———			Pct	g/cc	 In/hr	-¦	Pct	Pct					¦
Upshur	0-9					0.2-0.6	0.12-0.16			1.32	.37	3		
I	9-36					0.06-0.2	0.10-0.14			1.32	.32			
I	36-44			27-45		0.06-0.2	0.08-0.12			1 .32	.32			
GvF:	44-48					10.0000-0.2								
Gilpin	0-5	ı 0-501	50-831	15-27	1.20-1.40	I 0.6-2	10.08-0.14	I		1.24	1.32	1 1 3		
Olipin	5-27				1.20-1.50		10.12-0.16			1.24	1 .28	1	! 	i
' 	27-35				1.20-1.50		10.08-0.12				1.32		! 	i
i i	35-39					0.0000-0.2						İ		İ
į		İ	İ	ĺ		l	İ		Ì	Ì	ĺ	İ	Ì	Ì
Other soils														
Upshur	0-9	ı 0-201	40-731	27-35	1.20-1.50	I 0.2-0.6	0.12-0.16	I I 3.0-5.9		1 .32	ı I .37	1 1 3		
	9-36			40-55	1.30-1.60	0.06-0.2	10.10-0.14	•		1.32	.32	İ	i I	i
i İ	36-44		i	27-45	1.30-1.60	0.06-0.2	10.08-0.12	3.0-5.9		1.32	.32	i	i I	i
į	44-48		i			0.0000-0.2	i			·		İ	İ	İ
HaA:		 				 		 		1	 	 		1
Hackers	0-9	ı 0-501	50-831	15-27	1.20-1.40	1 0 6-2	0.18-0.24	1 0 0-2 9	1 2 0-4 0	1.32	1 .32	1 4	1 5	1 56
Indexelb	9-39				1.30-1.50	•	10.12-0.18	•		1.37	1.37	-	1	1
j	39-60				1.30-1.50		0.12-0.18			1.28	.28	i		İ
			1			I	1	I		1	I			1
Melvin														
HaB:			 			! 	i	! 		1	! 	 	 	İ
Hackers	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.18-0.24	0.0-2.9	2.0-4.0	1.32	.32	4	5	56
I	9-39			18-35	1.30-1.50	0.6-2	0.12-0.18	3.0-5.9		1.37	.37			
	39-60			18-35	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9		.28	.28			1
Hu:		 	I			 		 	 		 	 		
Huntington	0-10	ı I 23-521	28-501	18-27	1.10-1.30	1 0.6-2	0.18-0.24	1 1 0 0-2 9		1 .28	1 .28	15		
	10-45	1			1.30-1.50		10.16-0.22			1.32	1 .32	1	! 	i
'	45-60				1.30-1.50		0.10-0.16		· 	1 .28	1.32			İ
			I			I	1			1	I			
Melvin														
KaA:			 			! 		 						
Kanawha	0-10	23-52	28-50	10-20	1.20-1.40	0.6-2	0.16-0.22	0.0-2.9	2.0-4.0	1.32	.32	4	5	56
İ	10-31		i	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9		.28	.28			
İ	31-60			15-30	1.30-1.50	0.6-6	0.10-0.18	0.0-2.9		.24	.24		!	!
 Melvin		 				 		 		 	 	 		
1-10-1 A TII		ı == 		==	_ 	 !	1	 !		==			1	1

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	 Silt	Clay		Permea-	 Available		 Organic	İ				erodi-
and soil name	 	 	 	 	bulk density 	bility (Ksat)	water capacity 						bility group 	bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct			<u> </u>	<u> </u>	į
KaB: Kanawha	 0-10 10-31 31-60		 28-50 	18-35	 1.20-1.40 1.30-1.50 1.30-1.50	0.6-2	 0.16-0.22 0.14-0.18 0.10-0.18	0.0-2.9		.32 .28 .24	.28	 4 	 5 	 56
Melvin	 							 				 		
LlC:	 0-7	23-52	 	7-27	 	0.6-6	0.13-0.18	 0.0-2.9	0.5-4.0	1 .28	1 .37	2		 56
	7-20 20-24 24-28	i	 		1.25-1.35 1.25-1.35 	2-6 2-6 0.2-0.6	0.12-0.18 0.08-0.17 			.28 .17 	.28 .24 		 	
LlD: Lily	0-7 7-20 20-24 24-28	·	 28-50 	18-35	 1.20-1.40 1.25-1.35 1.25-1.35	0.6-6 2-6 2-6 0.2-0.6	 0.13-0.18 0.12-0.18 0.08-0.17	0.0-2.9		.28 .28 .17 	.37 .28 .24 	 2 	 	 56
LlE: Lily	 0-7 7-20 20-24 24-28		 28-50 	18-35	 1.20-1.40 1.25-1.35 1.25-1.35	0.6-6 2-6 2-6 0.2-0.6	 0.13-0.18 0.12-0.18 0.08-0.17	0.0-2.9		.28 .28 .17 	 .37 .28 .24 	 2 	 	 56
Ln: Lindside	 0-8 8-60 60-64	1	 50-83 	18-35	 1.20-1.40 1.20-1.40 1.20-1.40		 0.20-0.26 0.17-0.22 0.12-0.18	0.0-2.9			 .32 .37 .32	 5 	 	
Melvin	 													
Me: Melvin	 0-9 9-60 60-64			12-35	 1.20-1.60 1.30-1.60 1.40-1.70	0.6-2	 0.18-0.23 0.18-0.23 0.16-0.23	0.0-2.9			 .43 .43 .43	 5 	 	 56

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth		 Silt	Class	 Moist	Permea-	 Available	 Tinoon	 Organic	Erosi	on fac		Wind erodi-	Wind
and soil name	 	Sand 	SIIC 	Clay	Moist bulk density	bility (Ksat)	water capacity	extensi-				Ī	bility group	bilit
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct	<u> </u>		<u>i</u> —	<u> </u>	<u> </u>
Mf:												! _		
Melvin	0-9 9-60	0-50			1.20-1.60 1.30-1.60	0.6-2 0.6-2	0.18-0.23		0.5-3.0	1 .43	.43	5 		56
Lindside	0-8	 0-50	 50-83	15-27	 1.20-1.40	0.6-2	10.20-0.26	0.0-2.9	2.0-4.0	1 .32	.32	5		
	8-60			18-35	1.20-1.40	0.2-2	0.17-0.22	0.0-2.9		1.37	.37	İ	İ	j
	60-64				1.20-1.40	0.2-6	0.12-0.18	0.0-2.9		1.32	.32			İ
Other soils		 						 						
MgB:		! 			! 		i					İ		
Monongahela	0-9	0-50	50-83	10-27	1.20-1.40	0.6-2	0.18-0.24	0.0-2.9	2.0-4.0	.43	.43	3	5	56
	9-25			18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9		.43	.43			
	25-60			18-35	1.30-1.60	0.06-0.6	0.08-0.12	0.0-2.9		.43	.49			
	60-72			10-35	1.20-1.40	0.2-0.6	0.08-0.12	0.0-2.9		1.37	.43			
Robertsville														
MgC:		 					i	! 			! 	İ		
Monongahela	0-9	0-50	50-83	10-27	1.20-1.40	0.6-2	0.18-0.24	0.0-2.9	2.0-4.0	1.43	.43	3	5	56
-	9-25			18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9		1.43	.43			
	25-60			18-35	1.30-1.60	0.06-0.6	0.08-0.12	0.0-2.9		.43	.49			
	60-72			10-35	1.20-1.40	0.2-0.6	0.08-0.12	0.0-2.9		.37	.43		1	
Mo:	 	 					i	 	! 		 	İ		
Moshannon	0-9	0-50	50-83	15-27	1.20-1.50	0.6-2	0.20-0.24	0.0-2.9	1.0-3.0	.37	.37	5	6	48
	9-37			18-32	1.20-1.50	0.6-2	0.18-0.22	0.0-2.9		1.37	.37	1		
	37-60			12-32	1.20-1.50	0.6-2	0.14-0.18	0.0-2.9		.37	.43		1	
Melvin														
Se:	 	 					I I	 	 	1	 		 	1
Senecaville	0-6	0-50	50-831	15-27	1.20-1.40	0.6-2	0.18-0.24	0.0-2.9	2.0-4.0	1.32	.32	I 5	i 5	I 56
	6-30				1.20-1.40	0.2-2	0.12-0.18	•		.37	.37	i	İ	İ
	30-60		i	18-35	1.20-1.40	0.6-2	0.12-0.18		· 	.28	.28	İ	İ	i
Melvin	 	 						 						
Sf:	 	 					I	 	[[1		
Senecaville	I 0-6	I 0-50 I	ı 50-831	15-27	 1.20-1.40	0.6-2	10.18-0.24	1 0.0-2.9	1 2.0-4.0	1 .32	1 .32	I I 5	I 5	I 56
2011000011110	1 6-30			-	1.20 1.10	0.2-2	0.12-0.18			1 .37	1.37	1	1	1
	30-60	 			1.20 1.10	0.6-2	10.12-0.18		•	1	1.28	i	İ	1
			. ! 				1	,	i			i	i	1

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand		 Clay	 Moist	 Permea-	 Available	 Linear	 Organic		on fac			Wind erodi-
and soil name	 -	 	 	 - -	bulk density	bility (Ksat)	water capacity		matter 				bility group	bility index
	 In	Pct	Pct	Pct	g/cc	 In/hr	-	Pct	Pct	-¦	ļ	¦	!	¦
Melvin	 			 	 	 		 						
Sn:	! 					! 			1		İ	İ		İ
Sensabaugh	•	0-50			1.25-1.40		0.12-0.18			.24	.24	5		
	7-29	1			11.30-1.50		0.10-0.16			1.20	.24	!		
	29-60			12-38 	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9		.17	.20	1	 	
Melvin												ļ		
SrB:	 	 	 	<u> </u> 	l I	 		 	 	1	1	1	 	1
Sensabaugh	0-7	0-50	50-83	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	· 	i
	7-29				1.30-1.50	'	0.10-0.16	•			.24			
	29-60			12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9		.17	1.20	1		
TlB:	 		 	<u> </u> 	l I	 	l	 	 	1	1	1	 	1
Tilsit	0-6	0-50	50-83	10-25	1.20-1.55	0.6-2	0.16-0.22	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	6-24			18-35	1.30-1.55	0.6-2	0.16-0.22	0.0-2.9	i	.43	.43	İ	İ	İ
	24-49			18-35	1.40-1.65	0.06-0.2	0.08-0.12	0.0-2.9		.43	.43			1
	49-62			10-50	1.40-1.60		0.08-0.12	0.0-2.9			.43			1
	62-66					0.2-0.6								
Ty:	 	 	 	 	I 	 		 	 		1	1	 	1
Tyler	0-9	0-50	50-83	14-26	1.30-1.50	0.6-2	0.18-0.22	0.0-2.9	2.0-4.0	.43	.43	3	5	56
	9-24			20-33	1.40-1.60	0.2-0.6	0.16-0.20	3.0-5.9		.43	.43			1
	24-52				1.60-1.85		0.04-0.12	•		.43	1			1
	52-60			12-30	1.30-1.70	0.2-0.6	0.04-0.12	0.0-2.9		.43	1.49			
Purdy	 			 	 	 		 				ļ		
UA:	 		 	 	l I	 	l	 	 	1	1	1	 	1
Udifluvents							· 		· 	· 		i	· 	·
	ļ ·]			l	<u> </u>	ļ.	l	ļ.	1	ļ.	!	Į.	1
Fluvaquents	 		 	 	 	 		 						
Other soils							i			i		i		·
Melvin	 			 										
UB:	 	 	 	 	 	 		 	! 	I I	 	I	I 	1
Udorthents	 	· 	 			 	i			i				
UC:	' 		·	! 	! 			! 	! 		İ		! 	
Udorthents			i											
								l	I	1				

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Permea-	 Available	 Linear	 Organic	Erosi 	on fac	tors	Wind erodi-	Wind erodi-
and soil name	 	 	 		bulk density	bility (Ksat)	water capacity	extensi- bility	matter 	Kw	 Kf		bility group	
Wet minesoil	In 	Pct	Pct	Pct	 g/cc 	In/hr 	In/in 	Pct 	Pct		' !	 		
UD: Udorthents	 				 	 		 	 		 		 	
UeB:	 		 		 	 		 	 		 		 	
Upshur	0-9 9-36	0-20	40-73	2, 00	1.20-1.50 1.30-1.60	•	0.12-0.16 0.10-0.14		0.5-3.0	.37 .32	.37 .32	3	7 	38
	36-44				1.30-1.60	0.06-0.2	0.08-0.12	•		.32	.32			İ
UeC:	44-48				 	10.0000-0.2		 				 	 	
Upshur	0-9 9-36	0-20	40-73 		 1.20-1.50 1.30-1.60	•	0.12-0.16 0.10-0.14		0.5-3.0	1 .37	.37 .32	3	 7 	38
	36-44				1.30-1.60	0.06-0.2	0.08-0.12			.32	.32	į		į
	44-48 		 		 	0.0000-0.2		 			 			1
UfC3:							į					İ	į	
Upshur	0-5 5-36	0-20	40-60 		1.30-1.50 1.30-1.60		0.12-0.16 0.10-0.14		0.5-2.0	1.32	.32 .32	1 2	4	86
	36-44		'		1.30-1.60		0.08-0.12			1.32	.32	İ		İ
	44-48					0.0000-0.2								Į.
UgC:	 		 		 	 		 						
Upshur	0-9	0-20	40-73		1.20-1.50		0.12-0.16		0.5-3.0	1.37	.37	3	7	38
	9-36				11.30-1.60		0.10-0.14			1.32	1.32	!		
	36-44 44-48			27-45	1.30-1.60 	0.06-0.2 0.0000-0.2	0.08-0.12	3.0-5.9	 	.32 	.32 	 		
Gilpin	l l 0-5	0-50	 50-83	15-27	 1.20-1.40	l l 0.6-2	10.12-0.18	 0 0-2 9	1 0.5-4.0	1 .32	 .32	3		
CIIPIN	5-27				1.20-1.50	•	0.12-0.16	•		1.24	1.28		İ	İ
	27-35			15-35	1.20-1.50		0.08-0.12	0.0-2.9		.24	.32			1
	35-39					10.0000-0.2								1
Other soils	 													
UgC3:	 				 	 		 	 		 	 		
Upshur	0-5	0-20	40-60		1.30-1.50		0.12-0.16		0.5-2.0	1.32	.32	2	4	86
	5-36				11.30-1.60	•	0.10-0.14	•		1.32	1.32	[1
	36-44 44-48		 	27-45	1.30-1.60	0.06-0.2 0.0000-0.2	0.08-0.12	3.0-5.9 		1.32	.32	1	 	1
	44-40		 		ı I	0 . 0 0 0 0 - 0 . 2		ı I	-		 	1	1 	I

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	 Silt	 Clay	 Moist	 Permea-	 Available		 Organic	1	on fac		erodi-	
and soil name	 	 	 	 	bulk density 	bility (Ksat)	water capacity 		matter 	•	1		bility group 	_
Gilpin	In 0-5	Pct	Pct	Pct 15-27 1	g/cc L.20-1.40	In/hr 0.6-2	In/in 0.12-0.18	Pct 0.0-2.9	Pct 0.5-4.0	.32	.32	3		
•	5-27 27-35	 	 	18-35	1.20-1.50		0.12-0.16 0.08-0.12			1.24	1 .28	 	1	
	35-39		 			0.0000-0.2						i I	 	
Other soils						 		 				<u> </u>		
UgD: Upshur	 0-9	0-20	 40-73		 1.20-1.50	0.2-0.6	10.12-0.16	 3.0-5.9	0.5-3.0	1 .37	1 .37	1 3		 38
opsnur	1 0-9 1 9-36	1	1 40-73			1 0.2-0.6	10.12-0.16		1	1.32	1.32	1 3	/	1 30
	1 36-44		 			0.06-0.2	10.08-0.12			1 .32	1 .32	i		1
	44-48					0.0000-0.2								
Gilpin	0-5	0-50	50-83		11.20-1.40		0.12-0.18		0.5-4.0	1.32	1.32	3		
	5-27 27-35				1.20-1.50 11.20-1.50		0.12-0.16 0.08-0.12			1.24	1.32	1		
	35-39					10.0000-0.2		0.0-2.9		.24	.32		 	
Other soils	 	 	 	 	 	 		 						
UgD3:														
Upshur	0-5 5-36	0-20	40-60		11.30-1.50	0.2-0.6	0.12-0.16 0.10-0.14		0.5-2.0	1.32	1.32	2	4	86
	3-36 36-44		 			0.06-0.2	10.08-0.12				1 .32	1	1	1
	44-48					10.0000-0.2								
Gilpin	0-5				1.20-1.40		0.12-0.18		0.5-4.0	1 .32	1 .32	3		
	5-27 27-35				1.20-1.50 11.20-1.50		0.12-0.16			1.24	1.32	!		
	35-39					0.6-2	0.08-0.12	0.0-2.9		.24	.32			
Other soils	 		 					 						
UgE:	 		 	 	 			 						
Upshur	0-9	0-20	40-73	27-35	1.20-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	7	38
	9-36	ļ				0.06-0.2	0.10-0.14			1.32	1.32	ļ	ļ	1
	36-44 44-48			27-45		0.06-0.2	0.08-0.12	3.0-5.9		.32	.32	 	 	
Gilpin	0-5	0-50	50-83	 15-27 1	 L.20-1.40	0.6-2	 0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3		
	5-27				1.20-1.50		0.12-0.16			.24	.28			
	27-35 35-39	 	 	15-35 	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9		.24	32	 		

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	 Depth	 Sand	Silt	Clay		 Permea-	 Available		 Organic	·	on fac		erodi-	Wind erodi-
and soil name	 		 		bulk density	bility (Ksat)	water capacity		matter 	•	 Kf		bility group	bility index
Other soils	In 	Pct 	Pct	Pct	g/cc 	In/hr 	In/in 	Pct	Pct 	 		 		
UgE3:	<u> </u> 	 	 		<u> </u> 	 	i I		! 	1	 			
Upshur	5-36 36-44	i i	40-60	40-55	1.30-1.60	0.06-0.2	0.12-0.16 0.10-0.14 0.08-0.12	6.0-8.9	0.5-2.0	.32 .32 .32	.32 .32 .32	2	4	86
	44-48 				 	10.0000-0.2		 				 	 	
Gilpin	0-5 5-27 27-35 35-39		50-83	18-35	1.20-1.40 1.20-1.50 1.20-1.50	0.6-2	0.12-0.18 0.12-0.16 0.08-0.12	0.0-2.9	0.5-4.0	.32 .24 .24		3	 	
Other soils														
Uh: Urban land	 		 		 	 		 -	 		 		 	
UkB: Urban land	0-6	0-0	0-0	0-0	 	 	0.00-0.00	 	0.0-0.0	.02	.02	1 1	 	0
Kanawha	0-10 10-22 22-42 42-60	 	28-50 	10-25 18-35	1.20-1.40 1.30-1.50 1.30-1.50 1.30-1.50	0.6-2	0.16-0.22 0.12-0.20 0.14-0.18 0.10-0.18	0.0-2.9	2.0-4.0	.32 .32 .28 .24	.32 .32 .28 .24	4	 5 	56
Other soils	 				 			 				ļ		
Melvin Un:	 		 		 	 		 	 	 	 	 	 	
Urban land	0-6	0-0	0-0	0 - 0			0.00-0.00		0.0-0.0	.02	.02	1		0
Lindside	0-8 8-60	0-50	50-83		1.20-1.40		0.20-0.26 0.17-0.22		2.0-4.0	.32	.32	 5 	 	
Other soils					 			 						
Melvin	 				 			 						
UoB: Urban land	 0-6 		0-0	0-0	 	 	10.00-0.00	 	 0.0-0.0 	1 .02	 .02 	 1 	 	 0

Table J1b.--Physical Properties of the Soils--Continued

Map symbol	Depth	 Sand	Silt	Clay	 Moist	Permea-	 Available	 Linear	 Organic		on Iac	tors	Wind erodi-	Wind erodi
and soil name	_	i i	i	_	bulk	bility	water	extensi-	l matter	i	Ī.	ī	bilitv	bilit.
		i i	į		density		capacity	•		•	Kf		group	
	<u> </u>	 Pct	Pct	Pct	 g/cc	In/hr	-¦	Pct	Pct	¦			¦	
Monongahela	0-9	0-50	50-83	10-27	1.20-1.40	0.6-2	0.18-0.24	0.0-2.9	2.0-4.0	.43	.43	3	5	56
J	9-25			18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9		.43	.43			
J	25-60			18-35	1.30-1.60	0.06-0.6	0.08-0.12	0.0-2.9		.43	.49			
	60-72			10-35	1.20-1.40	0.2-0.6	0.08-0.12	0.0-2.9		.37	.43			
Other soils					 			 						
UvC:		İ					İ					İ	İ	
Urban land	0-6	0-0	0-0	0-0			0.00-0.00		0.0-0.0	1.02	.02	1		0
Other soils														
Vincent	0-19	0-50	50-83	20-27	 1.20-1.50	0.06-2	10.20-0.24	0.0-2.9	1.0-3.0	1 .43	1 .43	3	1 6	48
j	19-45			35-55	1.35-1.65	0.06-0.2	0.10-0.18	6.0-8.9		.32	.32	İ	İ	İ
	45-70	i i		35-55	1.40-1.70	0.06-0.2	0.08-0.18	6.0-8.9		.32	.32	ļ	İ	
VaC:		 			 			 		1	 	1	1	1
Vandalia	0-6	I 0-501	50-83 i	20-27	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	i .37	i .37	I 4	I 6	I 48
į	6-52	i i		35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9		.32	.32	i	i	İ
İ	52-60	i i		27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	·	.32	.32	İ	į	İ
VaD:		 			 			 			 	 		
Vandalia	0-6	0-501	50-83	20-27	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	1 6	48
j	6-52	i i		35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	i	.32	.32	İ	İ	İ
!	52-60			27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9		.32	.32	ļ	Į.	
VaE:		 			 			 				 		
Vandalia	0-6	0-50	50-83	20-27	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	1.37	.37	4	6	48
	6-52			35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9		1.32	.32	1	1	
	52-60			27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9		.32	.32		I	
VbD:		 			 			 				 		
Vandalia	0-6	0-50	50-83	20-27	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-4.0	1.32	.37	4		48
ļ ,	6-52			35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9		1.32	.32			
	52-60			27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9		.32	.32		I	
VdD3:		 			 			 	 		 	 		
Vandalia	0-6	0-20	40-73	27-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	48
į	6-52	i			1.30-1.60		0.12-0.15	•		.32	.32	I	1	1
	52-60		i	27-50	1.30-1.60	0 06-0 6	0.08-0.12	160-89	i	i .32	.32	1	1	I.

Table J1b.--Physical Properties of the Soils--Continued

				Ī				<u> </u>	<u> </u>	Erosion factors			Wind	Wind
Map symbol	Depth	Sand	Silt	Clay	Moist	Permea-	Available	Linear	Organic	1			erodi-	erodi-
and soil name					bulk	bility	water	extensi-	matter				bility	bility
					density	(Ksat)	capacity	bility		Kw	Kf	T	group	index
	l						_	l		l		I	I	l
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
VeB:														
Vincent	0-19	0-50	50-83	20-27	1.20-1.50	0.06-2	10.20-0.24	0.0-2.9	1.0-3.0	1 .43	.43	3	6	48
	19-45			35-55	1.35-1.65	0.06-0.2	0.10-0.18	6.0-8.9		.32	.32			1
	45-70			35-55	1.40-1.70	0.06-0.2	0.08-0.18	6.0-8.9		1.32	.32			
	l													1
VeC:														1
Vincent	0-19	0-50	50-83	20-27	1.20-1.50	0.06-2	10.20-0.24	0.0-2.9	1.0-3.0	1.43	.43	3	6	48
	19-45			35-55	1.35-1.65	0.06-0.2	0.10-0.18	6.0-8.9		.32	.32			1
	45-70			35-55	1.40-1.70	0.06-0.2	0.08-0.18	6.0-8.9		1.32	.32			
W:														1
Water														
ZoB:														1
Zoar	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.15-0.18	0.0-2.9	1.0-4.0	1.43	.43	3		
	9-20			35-50	1.30-1.60	0.06-0.6	0.12-0.15	3.0-5.9		.32	.32			1
	20-60			35-50	1.40-1.70	0.06-0.2	0.08-0.12	3.0-5.9		1.32	.32			
	l													1
Purdy														